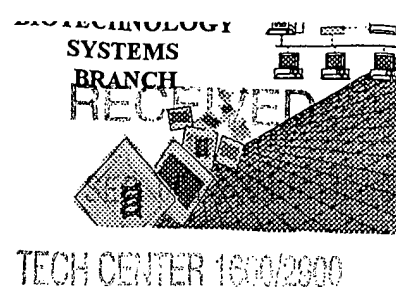# RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _09/658,835E_

Source: _/600_

Date Processed by STIC: _8/29/2003_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO **REDUCE** ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , **EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry directly to:**
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
          Or
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. **Federal Express, United Parcel Service, or other delivery service to:** U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003

1600

RAW SEQUENCE LISTING   DATE: 08/29/2003
PATENT APPLICATION: **US/09/658,835E**   TIME: 09:46:37

Input Set : **A:\PTO.YF.txt**
Output Set: **N:\CRF4\08292003\I658835E.raw**

```
    4 <110> APPLICANT: Duvick, Jonathan P.
    5        Gilliam, Jacob T.
    6        Maddox, Joyce R.
    7        Rao,Aragula Gururaj
    8        Crasta, Oswald R.
    9        Folkerts, Otto
   11 <120> TITLE OF INVENTION: Amino Polyol Amine Oxidase
   12        Polynucleotides and Related Polypeptides and Methods of Use
   15 <130> FILE REFERENCE: 1134R
C--> 17 <140> CURRENT APPLICATION NUMBER: US/09/658,835E
C--> 17 <141> CURRENT FILING DATE: 2000-09-08
   17 <150> PRIOR APPLICATION NUMBER: US 60/092,936
   18 <151> PRIOR FILING DATE: 1998-07-25
   20 <150> PRIOR APPLICATION NUMBER: US 60/135,391
   21 <151> PRIOR FILING DATE: 1999-05-21
   23 <150> PRIOR APPLICATION NUMBER: US 09/352,159
   24 <151> PRIOR FILING DATE: 1999-07-12
   26 <150> PRIOR APPLICATION NUMBER: US 09/352,168
   27 <151> PRIOR FILING DATE: 1999-07-12
E--> 29 <160> NUMBER OF SEQ ID NOS: 53  55 (see below)
   31 <170> SOFTWARE: FastSEQ for Windows Version 3.0
```

PR /-3

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

last sequence in submitted file

```
 5382 <210> SEQ ID NO: 55
 5383 <211> LENGTH: 11
 5384 <212> TYPE: PRT
 5385 <213> ORGANISM: Exophilal spinifera
 5387 <400> SEQUENCE: 55
 5389  Asp Val Val Val Val Gly Ala Gly Leu Ser Gly
 5390  1               5                 10
E--> 5395  109  delete
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/29/2003
PATENT APPLICATION: **US/09/658,835E**   TIME: 09:46:38

Input Set : **A:\PTO.YF.txt**
Output Set: **N:\CRF4\08292003\I658835E.raw**

<u>Use of <220> Feature(NEW RULES):</u>
Sequence(s) are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"
or"Unknown". Please explain source of genetic material in <220> to <223>
section (See "Federal Register," 6/01/98, Vol. 63, No. 104,pp.29631-32)
(Sec.1.823 of new Rules)

Seq#: ',19, ',21,   ,25,   ,27, ',29,   ,31,33

please correct the above errors

```
<210> 20
<211> 1464
<212> DNA
<213> Unknown

<220>
<223> Nucleotide sequence of K:trAPAO translational
      fusion with barley alpha amylase signal sequence,
      for expression and secretion of the mature trAPAO
      in maize. Nucleotides 1-72, barley alpha amylase
      signal sequence, nucleotides 73-75, added lysine
      residue; nucleotides 76 -1464 , trAPAO cDNA.
```

<220> <223>

Per 1.823 of Sequence Rules, the <223> response has a MAXIMUM of 4 lines.

Please insert a <220> above 5th line, and a <223> at beginning of 5th line.

The types of errors shown exist throughout the Sequence Listing. Please check all sequences for similar errors.

Please edit all sequences showing the above error

FYI Use of n and/or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

Input Set : **A:\PTO.YF.txt**
Output Set: **N:\CRF4\08292003\I658835E.raw**

L:17 M:270 C: Current Application Number differs, Replaced Current Application No
L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:49 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:300
L:291 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:294 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:559 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10
L:805 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16
L:1040 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1043 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:18
L:1047 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:18
L:1051 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:18
L:1055 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:18
L:1238 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:19, <213>
ORGANISM:Unknown
L:1238 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:19, <213>
ORGANISM:Unknown
L:1238 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:19,Line#:1238
L:1338 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:1339 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:1342 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1346 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20
L:1350 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20
L:1353 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20
L:1357 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20
L:1493 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:21, <213>
ORGANISM:Unknown
L:1493 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:21,Line#:1493
L:1814 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1818 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24
L:1822 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24
L:1826 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24
L:1830 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24
L:1833 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24
L:1837 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24
L:2101 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:25, <213>
ORGANISM:Unknown
L:2101 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:25,Line#:2101
L:2240 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2244 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26
L:2248 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26
L:2252 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26
L:2256 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26
L:2259 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26
L:2263 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26
L:2524 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:27, <213>
ORGANISM:Unknown
L:2524 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:27,Line#:2524
L:2662 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2665 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:28
L:2669 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:28
L:2673 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:28
L:2677 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:28
L:2681 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:28

VERIFICATION SUMMARY　　　　　　　　DATE: 08/29/2003
PATENT APPLICATION: **US/09/658,835E**　　　TIME: 09:46:38

　　　Input Set : **A:\PTO.YF.txt**
　　　Output Set: **N:\CRF4\08292003\I658835E.raw**

L:2685 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:28
L:2996 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:29, <213>
ORGANISM:Unknown
L:2996 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:29, <213>
ORGANISM:Unknown
L:2996 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:29,Line#:2996
L:3160 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:3161 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:3164 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:3168 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:30
L:3172 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:30
L:3176 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:30
L:3180 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:30
L:3183 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:30
L:3187 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:30
L:3494 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:31, <213>
ORGANISM:Unknown
L:3494 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:31, <213>
ORGANISM:Unknown
L:4193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:600
L:4254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:208
L:5395 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:55
L:29 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (53) Counted (55)